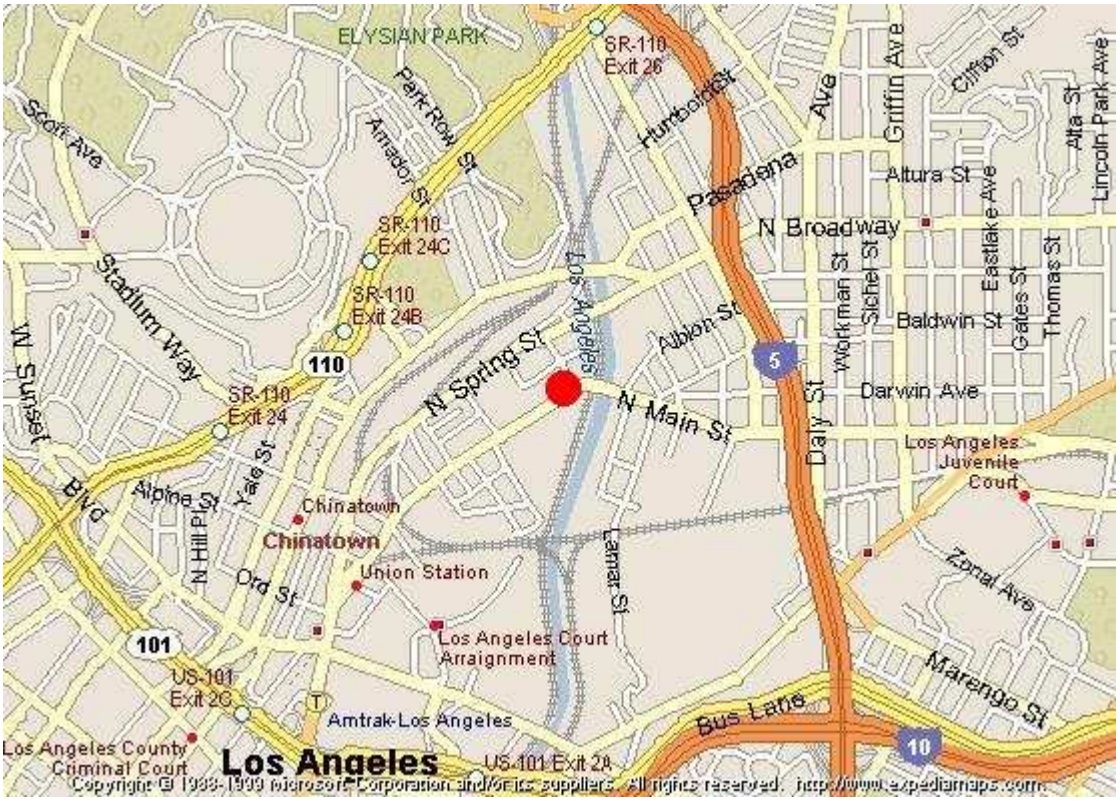
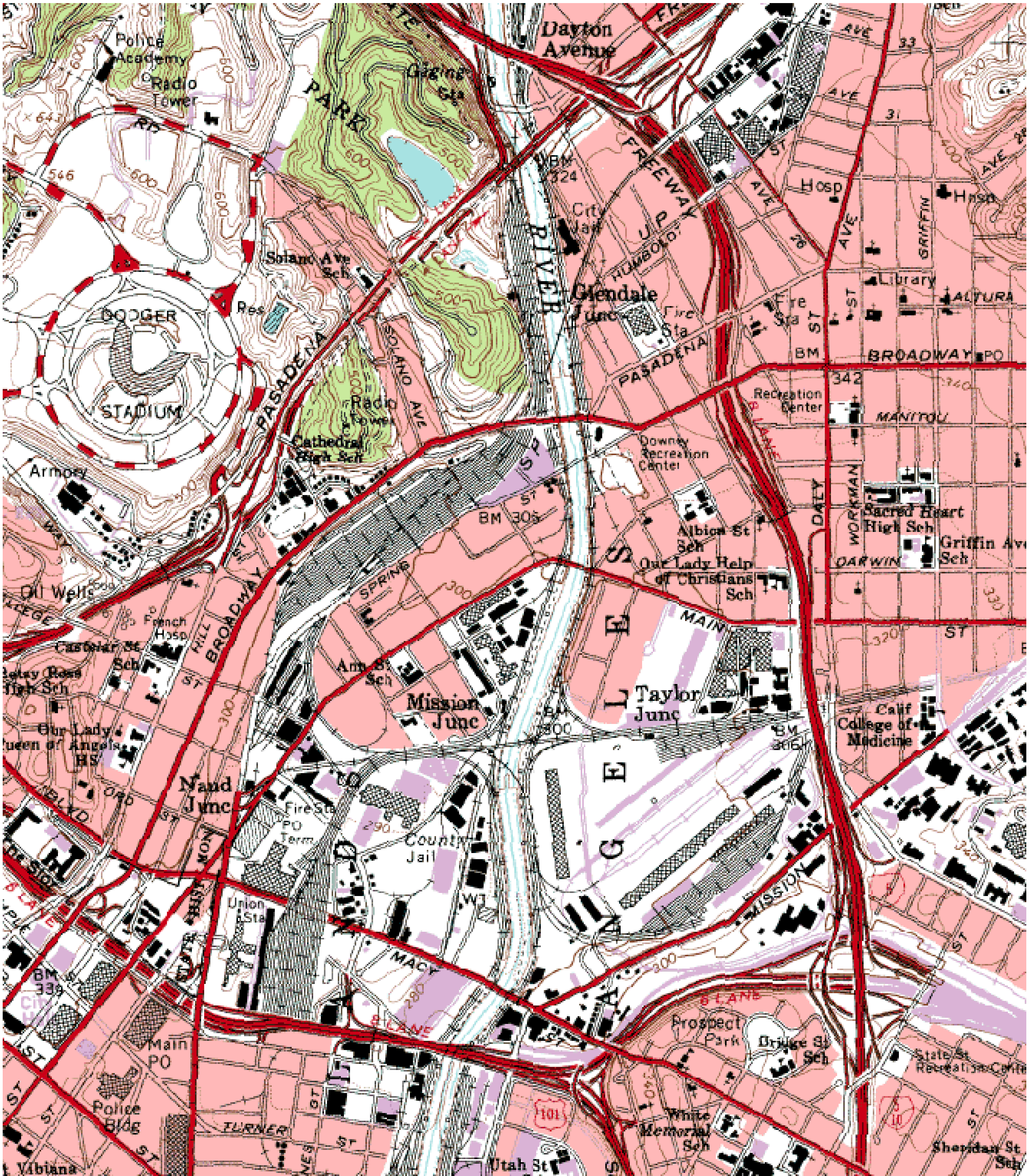
South Coast AQMD
Site Survey Report for Los Angeles-North Main Street

Last updated May 2008



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060371103	70087	01/06/99	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
1630 North Main Street Los Angeles, CA 90012	Los Angeles	South Coast	34° 03' 59"	118° 13' 36"	89



Police Academy
Radio Tower
PARK
Gigins Sta
Dayton Avenue
FREEWAY
BM 324
City Hall
Solano Ave Sch
Res
DODGER
STADIUM
PASADENA
Glendale Junc
Fire Sta
HUMBOLDT
Hosp
Library
ALTURA
BROADWAY
PO
342
Recreation Center
MANITOU
Radio Tower
SOLANO AVE
Cathedral High Sch
Armory
Downey Recreation Center
BM 305
SP
RIVER
Albion St Sch
Our Lady Help of Christians Sch
Sacred Heart High Sch
Griffin Ave Sch
DALY
WORKMAN
DARWIN
GRIFFIN
SPRING
MAIN
Oil Wells
French Hosp
Castelar St Sch
Betsy Ross High Sch
HILL
BROADWAY
Ann St Sch
Mission Junc
Taylor Junc
Calif College of Medicine
Our Lady Queen of Angels HS
BM 300
BM 306
Naud Junc
Fire Sta
PO Term
County Jail
Union Sta
MISSION
MACY
8 LANE
BM 339
Main PO
Police Bldg
TURNER
VIGNES
Prospect Park
Utah St Sch
White Memorial Sch
White Memorial
State St Recreation Center
Sheridan St Sch
Vibiana
101
10
L O S   A N G E L E S

Site Survey Report

Siting Information

Site Name: Los Angeles-North Main Street	Date: 05/14/08	State Code: 70087	AIRS Number: 060371103
Address: 1630 North Main St Los Angeles, CA 90012	Latitude: 34° 03' 59"	Longitude: 118° 13' 36"	Elevation (m): 89
	Senior AQIS: Albert Dietrich	Site Technician: Carl Thompson	Site Phone: (323) 225-0178
Operating Agency: South Coast AQMD			

General Siting Conditions

Station Temperature	**Traffic**	**Topography**	Predominant Wind Direction: W
Controlled: Yes	Description: Commercial	Site: Level	Arc Air Flow (Deg): 360 Degrees
Recorded: Yes	Distance: 40 meters	Region: Level	Probe Last Cleaned: 05/08
	Count (Veh/Day): 10000	**QA Manual**	Manifold Clean: Yes
Meteorology	**Non-vehicular Local Sources**	Approved: Yes	Cleaning Schedule: 6 Months
Located With Instruments: Yes	Description: None	Agency: South Coast AQMD	Autocalibrator Type: Environics 100
	Distance: N/A	Urbanization: Suburban	Site Survey Complete: Yes
	Direction: N/A	Ground Cover: Asphalt	Logbook Up To Date: Yes

Action Items

Comments

Detailed Site Information

Site Name	Los Angeles-North Main Street			
AQS ID (AIRS #)	060371103			
GIS coordinates	Latitude: 34° 03’ 59” Longitude: 118° 13’ 36”			
Location	DWP General Warehouse Building			
Address	1630 North Main Street, Los Angeles, CA 90012			
County	Los Angeles			
Dist. to road	40 meters			
Traffic count	10,000 veh/day			
Groundcover	Asphalt			
PEP audit?	N/A			
NPAP audit?	11/19/07			
Flow audit?	04/07			
Representative Area	31100-Los Angeles, Long Beach-Santa Ana, CA MSA			
Pollutant	Carbon Monoxide	Nitrogen Dioxide	Ozone	Sulfur Dioxide
Monitor objective	REPRESENTATIVE CONCENTRATION	HIGHEST CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	Horiba APMA-360	API 200AE	API/Teledyne 400E	TECO 43i
Serial #	576876073	245	520-S	0527612593
Property #	0016214	E000210	N/A	0016634
Last Calibration Date	11/06/07	11/14/07	01/18/08	11/09/07
Analysis method	N/A	N/A	N/A	N/A
Start date	03/79	03/79	03/79	03/79
Operation schedule	1:1	1:1	1:1	1:1
Sampling season	All Year	All Year	All Year	All Year
Probe height	12.3	12.3	12.3	12.3
Distance from supporting structure	2.0	2.0	2.0	2.0
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	N/A	N/A	N/A	N/A
Distance from trees	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	N/A	N/A	N/A	N/A
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	Teflon	Teflon	Teflon	Teflon
Residence time	6.8	7.5	7.3	9.1
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	N/A	N/A

Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A
Frequency of one-point QC check (gaseous)	Nightly	Nightly	Nightly	Nightly
Last Annual Performance Evaluation (gaseous)	08/07	04/07	09/07	04/07
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A

Pollutant	PM10-SSI	PM10 (Natts)	TSP (Lead)	TSP (Lead)
Monitor objective	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	Andersen 1200	Tisch 300-310	Tisch 300-310	Tisch 300-310
Serial #	N/A	N/A	N/A	N/A
Property #	4935	50461	1573	4967
Last Calibration Date	01/17/08	05/10/07	01/17/08	01/17/08
Analysis method	Weighed by SCAQMD lab	Weighed by SCAQMD lab	Weighed by SCAQMD lab	Weighed by SCAQMD lab
Start date	03/79	01/07	03/79	03/79
Operation schedule	1:6	6 per Year	1:6	1:6
Sampling season	All Year	All Year	All Year	All Year
Probe height	11.7	11.7	11.3	11.3
Distance from supporting structure	1.5	1.5	1.1	1.1
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	N/A	N/A	N/A	N/A
Distance from trees	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	2	2	2	2
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	N/A	N/A	N/A	N/A
Residence time	N/A	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers audit	Monthly	Monthly	N/A	N/A

Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	05/07, 11/07	05/07, 11/07	N/A	N/A

Pollutant	PM10 BAM	BAM-PM2.5	SASS 2.5	SASS 2.5
Monitor objective	REPRESNTATIVE CONCENTRATION	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION	HIGHEST CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	Andersen PM10 BAM	MetOne BAM 1020	MetOne SASS	MetOne SASS
Serial #	97	B3169	C4163	C4157
Property #	10590	20021149 (ARB)	E000263	E000229
Last Calibration Date	04/08	03/07	06/07	06/07
Analysis method	N/A	N/A	Analyzed by SCAQMD lab	Analyzed by SCAQMD lab
Start date				
Operation schedule	1:1	1:1	1:6	1:6
Sampling season	All Year	All Year	All Year	All Year
Probe height	12.0	12.8	12.0	12.0
Distance from supporting structure	1.8	2.6	1.8	1.8
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from ob-structions not on roof	N/A	N/A	N/A	N/A
Distance from trees	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	2	2	2	2
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	N/A	N/A	N/A	N/A
Residence time	N/A	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	Monthly	Monthly

Frequency of flow rate verification for automated PM analyzers audit	Monthly	Bi-Weekly	N/A	N/A
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A

Pollutant	SASS PM2.5 (EPA STN)	PM2.5	PM2.5	Xontech 910A (NATTS)
Monitor objective	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	MetOne SASS	Andersen RAAS 2.5	Andersen RAAS 2.5	Xontech 910A
Serial #	A6186	305	347	4687
Property #	N/A	E000005	E000006	E000173
Last Calibration Date	06/07	03/07	02/07	01/07
Analysis method	EPA STN	Weighed by SCAQMD lab	Weighed by SCAQMD lab	Analyzed by SCAQMD lab
Start date	N/A	01/99	01/99	01/07
Operation schedule	1:6	1:1	1:6	1:6
Sampling season	All Year	All Year	All Year	All Year
Probe height	12.0	12.1	12.1	12.6
Distance from supporting structure	1.8	1.9	1.9	2.3
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	N/A	N/A	N/A	N/A
Distance from trees	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	2	2	2	2
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	N/A	N/A	N/A	SS
Residence time	N/A	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	N/A

Frequency of flow rate verification for manual PM samplers audit	Monthly	Monthly	Monthly	N/A
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	05/07, 11/07	05/07, 11/07	N/A

Pollutant	Xontech 910A (NATTS)	Xontech 920 (NATTS)	Xontech 920 (NATTS)	PUF (NATTS)
Monitor objective	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale
Sampling method	Xontech 910A	Xontech 920	Xontech 920	Tisch PUF
Serial #	3419	146	156	N/A
Property #	13772	15466	N/A	50498
Last Calibration Date	N/A	06/28/06	06/22/06	10/19/06
Analysis method	Analyzed by SCAQMD lab	Analyzed by SCAQMD lab	Analyzed by SCAQMD lab	Weighed by SCAQMD lab
Start date	01/07	01/07	01/07	01/07
Operation schedule	6 / Year	1:6	6 / Year	1:6
Sampling season	All Year	All Year	All Year	All Year
Probe height	12.6	11.5	11.5	11.3
Distance from supporting structure	2.3	1.3	1.3	1.1
Distance from obstructions on roof	N/A	N/A	N/A	N/A
Distance from obstructions not on roof	N/A	N/A	N/A	N/A
Distance from trees	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue	N/A	N/A	N/A	N/A
Distance between collocated monitors	2	2	2	2
Unrestricted airflow	Yes	Yes	Yes	Yes
Probe material	SS	N/A	N/A	N/A
Residence time	N/A	N/A	N/A	N/A
Will there be changes within the next 18 months?	No	No	No	No

Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors				

Pollutant	ARB Toxics	ARB Toxics	URG 2.5 (EPA STN)	
Monitor objective	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	REPRESENTATIVE CONCENTRATION	
Spatial scale	Neighborhood Scale	Neighborhood Scale	Neighborhood Scale	
Sampling method	RM Environmental Systems Inc. 924	RM Environmental Systems Inc. 910PC	URG 3000N	
Serial #	9241002	6101	3N-B0143	
Property #	20021009 (ARB)	20062214 (ARB)	N/A	
Last Calibration Date	N/A	N/A	06/07	
Analysis method	Analyzed by CARB lab	Analyzed by CARB lab	Analyzed by SCAQMD lab	
Start date				
Operation schedule	1:12	1:12	1:6	
Sampling season	All Year	All Year	All Year	
Probe height	12.18	12.6	12.3	
Distance from supporting structure	1.9	2.3	2.0	
Distance from obstructions on roof	N/A	N/A	N/A	
Distance from obstructions not on roof	N/A	N/A	N/A	
Distance from trees	N/A	N/A	N/A	
Distance to furnace or incinerator flue	N/A	N/A	N/A	
Distance between collocated monitors	N/A	N/A	2	
Unrestricted airflow	Yes	Yes	Yes	
Probe material	Teflon	Teflon	N/A	
Residence time	N/A	N/A	N/A	

Will there be changes within the next 18 months?	No	No	No	
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	Monthly	
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	
Frequency of one-point QC check (gaseous)	N/A	N/A	N/A	
Last Annual Performance Evaluation (gaseous)	N/A	N/A	N/A	
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	

Los Angeles-North Main Street
Site Photos

Looking North from the probe.

Looking East from the probe.

Looking South from the probe.

Looking West from the probe.

Los Angeles-North Main Street
Site Photos (Cont.)

Looking at the probe from the North.

Looking at the probe from the East.

Looking at the probe from the South.

Looking at the probe from the West.